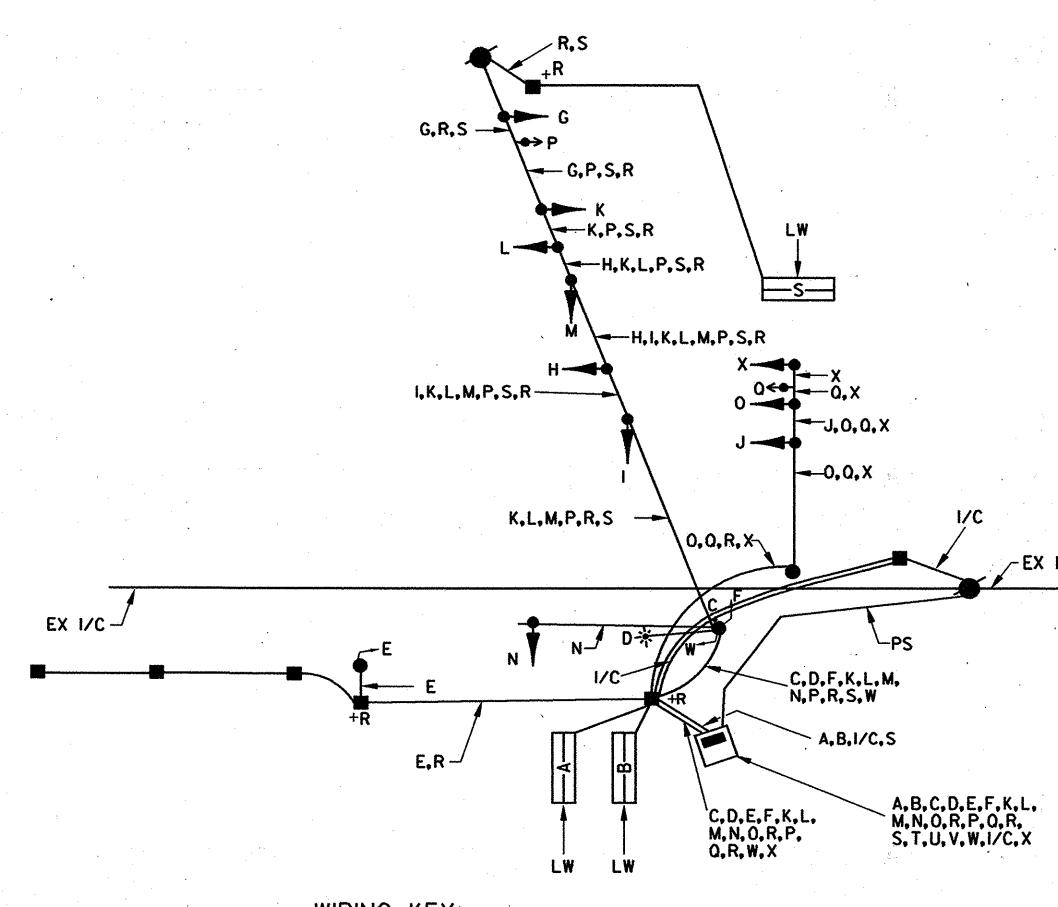
FHWA	STATE	FED. AD	SHEET	TOTAL
REGION NO.		PROJ. NO.	NO.	SHEETS
3	MD	SEE TITLE SHEET		



WIRING DIAGRAM

WIRING KEY

DED/SMH

BJH

ARRIL , 2000

DK/DLA/SMH

F.A.P. NO.

A.B.) 2-CONDUCTOR ELECTRICAL CABLE S J (ALUMINUM SHIELDED)

G,H,I,J 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

K,L,M, 7-CONDUCTOR ELECTRICAL N,O,X CABLE (NO. 14 A.W.G.)

2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)

4-CONDUCTOR OPTICOM DETECTOR CABLE (NO. 20 A.W.G.)

3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

T,U, I-CONDUCTOR ELECTRICAL CABLE V (NO. 4 A.W.G.)

LW - LOOP WIRE (NO. 14 A.W.G.)

PS - PROPOSED UNDERGROUND SERVICE

+ - 7/4IN. × 10 FT. GROUND ROD

EX I/C - EXISTING 12 PAIR COMMUNICATION CABLE, SELF SUPPORTING

I/C - EXISTING 12 PAIR COMMUNICATION CABLE, SELF SUPPORTING, REQUESTED FROM EXISTING CONTROLLER CABINET

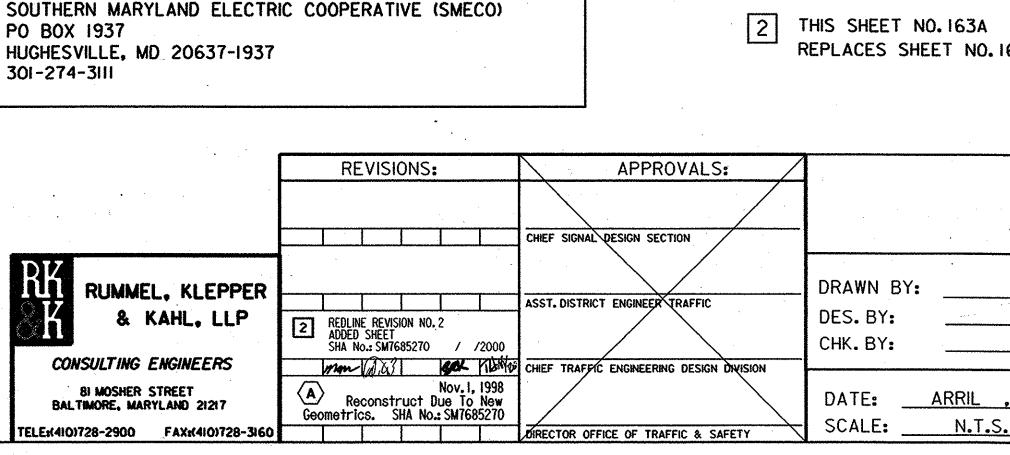
TEMPORARY SIGNAL PLAN

MDOT - STATE HIGHWAY ADMINISTRATION

SHEET NO.

163A OF 241

SS-19



PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING INTERSECTION TRAFFIC SIGNAL AND STREET LIGHTING AT MD 235 AND EXPLORATION PARK DR. IN ST. MARY'S COUNTY. MD 235 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION: I. NORMAL OPERATION

GENERAL:

PHASE I + 6

1 + 6 CHANGE

PHASE 2 + 6

2 + 6 CHANGE

PHASE 4

4 CHANGE

FLASHING

PE NO. I

PE NO. 2

OPERATION

PRE-EMPTION PHASES

PE NO. I CHANGE

PE NO. 2 CHANGE

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, SEMI-TRAFFIC ACTUATED MODE, WITH THE MD 235 APPROACHES RUNNING CONCURRENTLY. EXCLUSIVE/PERMISSIVE LEFT TURN PHASING WILL BE PROVIDED FOR THE MD 235 NORTH BOUND APPROACH.

PHASE CHART

FL/R

FL/R

2. SPECIAL OPERATION

THE INTERSECTION WILL OPERATE AS INDICATED ABOVE UNLESS THE OPTICOM DEVICE IS ACTIVATED WHICH WILL PRE-EMPT THE TRAFFIC SIGNAL AND STOP THE EB APPROACH OF EXPLORATION PARK DR AND EITHER THE NB OR SB APPROACHES ON MD 235.

CONTROLLER REQUIREMENTS:

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH FOUR (4) FOUR-CHANNEL, TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIERS. INTERSECTION MONITOR WITH BATTERY BACK-UP FOR PHONE DROP. TELEMETRY MODULE, ISOLATION BOARD AND SPECIAL RELAY HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT *5 ARE AS FOLLOWS:

MR. PAUL ARMSTRONG DISTRICT ENGINEER PHONE: 410-841-5450 MR. LAWRENCE E. ELLIOTT ACTING ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: 410-841-5450

MR. JOHN MAYS UTILITY ENGINEER PHONE: 410-841-5450

MR. RICHARD L. DAFF. SR. CHIEF. TRAFFIC OPERATIONS DIVISION PHONE: 410-787-7630

THE POWER COMPANY REPRESENTATIVE IS: SOUTHERN MARYLAND ELECTRIC COOPERATIVE (SMECO) PO BOX 1937

THIS SHEET NO. 163A REPLACES SHEET NO.163

PHASE I

Office of Traffic & Safety LOG MILE #_ 18023513.13 TRAFFIC ENGINEERING DESIGN DIVISION MD 235 @ EXPLORATION PARK DRIVE

SIGNAL PLAN

COUNTY: ST. MARY'S TS/STD. NO.:

3787A-X1-GI1

4/13/88 13:57:16-k:\data\shads:gn\9582\texk18\dgn\ms3bm235:dgn (*no instructions*)

S.H.A. NO. SEE TITLE SHEET

SEE TITLE SHEET